



RURAL DISTRICT COUNCIL OF MILLOM



ANNUAL REPORT

of

THE MEDICAL OFFICER OF HEALTH

and the

CHIEF PUBLIC HEALTH INSPECTOR

for the year

1966

HEALTH DEPARTMENT STAFF

W.S. SLATER	M.B., Ch.B., M.R.C.S., L.R.C.P., D.P.H. Medical Officer of Health. (Assumed duty 1.3.66.)
J.H. DAWSON	M.R.S.H., M.A.P.H.I. Surveyor and Chief Public Health Inspector.
C. NEWTON	A.M.R.S.H. Additional Public Health Inspector.
P.J. CUNNINGHAM	Technical Assistant to Surveyor and Chief Public Health Inspector.
Mrs. M.I. CUNNINGHAM	Clerk Typist to Medical Officer of Health. (Resigned 30.11.66.)
Miss D. HARNESS	Clerk Typist to Medical Officer of Health. (Assumed duty 1.12.66.)
Mrs. F.M. DAVEY	Clerk Typist to Surveyor and Chief Public Health Inspector.
P.J. TROLL	General Clerk to Surveyor and Chief Public Health Inspector.

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Health Department,
St. George's Road,
MILLOM.

September, 1967.

To the Chairman and Members of the
Rural District Council of Millom.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present the Annual Report on the Environmental Health and Sanitary circumstances of the Council's district for the year 1966. This report has been drawn up on the lines suggested in Ministry of Health Circular 1/67.

A perusal of the statistical data and what I have both seen and learned during the year of the various Local and County Health Services show that, apart from a minor outbreak of Scarlet Fever during the earlier part of 1966, the year was a satisfactory one.

As 1966 was my first year of service in the area, I looked to and received most whole hearted co-operation from the Health Department headed of course by the Public Health Inspectors and I wish to express my gratitude for this valued help.

I am,

Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

W. S. SLATER.

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

GENERAL STATISTICS

Area of District in Acres	89,094
Registrar General's estimate of resident population (Mid 1966)	15,090
Number of inhabited Houses according to rate books on 1.4.66.	4,692
Rateable Value on 1.4.66.	£ 364,953
Estimated sum represented by a Penny Rate	£ 1,453

MAJOR INDUSTRIES

The major industries in the area consist of an iron works and iron ore mining, a tannery, nylon stocking factory, clothing factory, sportswear factory, agriculture and the United Kingdom Atomic Energy Authority Establishment at Windscale. A large part of the area is situated in the Lake District National Park and attracts many visitors in the summer months.

UNEMPLOYMENT

I am indebted to Mr. Lofthouse, the Manager of the Ministry of Labour Employment Exchange, Millom, for the following report :-

"The year 1966 started with the employment situation in Millom in a reasonably good position. The extension at Elbeo, which was opened with a flourish in July, and alterations at another small manufacturing firm improved the position considerably and opened up opportunities for a large number of girl school leavers in August. Coupled with these improvements was the break-through in the spray steel making process at Millom Ironworks. Towards the end of 1966, however, pessimism had crept into the town with short time working at several firms feeling the effects of the credit squeeze, but the most bitter blow was still to come with the Iron and Steel Board's refusal to allow Millom Ironworks to go ahead with development of the new process.

The unemployment percentage continued into 1966 and up to May at approximately 2% and dropped to 1.8% in June, the lowest figure for some years. Until October the percentage remained steady at about 2.2%, but suddenly, and as a result of short time working and small pockets of redundancies, it rose to 2.9% at the end of the year and it continued to rise further in the early months of 1967.

The unemployment position in the Northern Region and in Gt. Britain as a whole resembled Millom's in that the respective percentages improved gradually in June 1966, remained constant and then rose sharply to the end of the year."

VITAL STATISTICS

BIRTHS:

		Males	Females	Total
<u>Live Births</u>	Legitimate	114	93	207
	Illegitimate	<u>3</u>	<u>5</u>	<u>8</u>
		117	98	215

Crude rate per 1,000 population	14.25
Comparability Factor	1.08
Corrected birth rate	15.39
Illegitimate live births per 100 total live births	3.72

<u>Stillbirths</u>	Legitimate	2	Nil	2
	Illegitimate	Nil	Nil	Nil

Rate per 1,000 live and stillbirths	9.21			
Total live and stillbirths	119	98		217

DEATHS:

<u>Infant Deaths</u>	Legitimate	Nil	1	1
	Illegitimate	Nil	Nil	Nil

This infant death was attributed to Congenital Malformations

Infant Mortality Rates

Total infant deaths per 1,000 live births	4.65	(19.0)
Legitimate infant deaths per 1,000 legitimate live births	4.83	
Neo-natal mortality rate (deaths under 4 weeks per 1,000 live births)	NIL	(12.9)
Perinatal mortality rate (stillbirths and deaths under one week combined per 1,000 live and stillbirths)	9.21	(26.3)
Perinatal mortality rate for Cumberland	26.8	

(The figures in brackets above are the corresponding rates
for England and Wales during 1966)

Maternal Deaths (including abortion) NIL

Rate per 1,000 total live and stillbirths NIL

<u>Deaths at all ages</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
	86	70	156
Death rate per 1,000 population			10.33
Comparability factor			1.28
Corrected death rate \bar{M}			13.22

The principal causes of death were:-

Heart Disease (all forms)	65
Cancer (all forms)	22
Vascular lesions of the nervous system	26

- \bar{M} The Corrected birth and death rates are those which are obtained when the crude local rates are adjusted to make allowance for the way in which the sex and age distributions of the local population differs from that for England and Wales. The corrected rates are thereby comparable with the crude rates for England and Wales and the correspondingly adjusted rates for any other area.

Table showing the 1966 Vital Statistics for England and Wales as a whole and certain Groups in the County of Cumberland.

A R E A	Birth Rate per 1,000 of population	Crude Death Rate per 1,000 of population	Infantile Mortality Rate per 1,000 total live births
Rural District of MILLOM	15.39	10.33	4.65
Rural Districts of Cumberland	16.0	12.3	20.5
Urban Districts of Cumberland (including Boroughs of Workington and Whitehaven)	16.8	12.2	21.7
Administrative County of Cumberland	16.3	12.3	21.0
England and Wales	17.7	11.7	19.0

DEATHS IN AGE GROUPS

Sex	Under 4 Weeks	4 weeks & under 1 year	1 -	5 -	15 -	25 -	35 -	45 -	55 -	65 -	75 -	Total
Males	Nil	Nil	1	Nil	1	2	7	8	18	26	23	86
Females	Nil	1	1	Nil	Nil	Nil	1	3	8	17	39	70
Total	Nil	1	2	Nil	1	2	8	11	26	43	62	156

CAUSES OF DEATH DURING THE YEAR 1966

CAUSE	Male	Female
1. Tuberculosis, respiratory	-	-
2. Tuberculosis, other	-	-
3. Syphilitic Disease	-	-
4. Diphtheria	-	-
5. Whooping Cough	-	-
6. Meningococcal infections	-	-
7. Acute Poliomyelitis	-	-
8. Measles	-	-
9. Other infective and parasitic diseases	-	-
10. Malignant neoplasm, stomach	3	-
11. Malignant neoplasm, lung and bronchus	2	-
12. Malignant neoplasm, breast	-	3
13. Malignant neoplasm, uterus	-	1
14. Other malignant and lymphatic neoplasms	8	5
15. Leukaemia, aleukaemia	-	-
16. Diabetes	1	-
17. Vascular lesions of nervous system	9	17
18. Coronary disease and angina	34	17
19. Hypertension with heart disease	-	1
20. Other heart disease	4	9
21. Other circulatory disease	6	2
22. Influenza	1	-
23. Pneumonia	-	5
24. Bronchitis	4	-
25. Other diseases of respiratory system	-	-
26. Ulcer of stomach and duodenum	1	-
27. Gastritis, enteritis and diarrhoea	-	-
28. Nephritis and nephrosis	-	-
29. Hyperplasia of prostate	1	-
30. Pregnancy, childbirth, abortion	-	-
31. Congenital malformations	-	2
32. Other defined and ill defined diseases	5	8
33. Motor vehicle accidents	1	-
34. All other accidents	5	-
35. Suicide	1	-
36. Homicide and operations of war	-	-
	86	70
Total (All causes)	156	

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

STAFF:

The Medical Officer of Health is also employed by the Cumberland County Council in the capacity of Deputy Area Medical Officer and School Medical Officer. Two Public Health Inspectors are employed solely by the Millom Rural District Council.

GENERAL HOSPITALS:

The two main General Hospitals serving the area are the North Lonsdale Hospital, Barrow-In-Furness, and the West Cumberland Hospital, Whitehaven.

MATERNITY HOSPITALS:

Maternity cases are admitted to the West Cumberland Hospital, Whitehaven, Risedale Maternity Hospital, Barrow-In-Furness, or Oubas House, Ulverston.

INFECTIOUS DISEASES HOSPITALS:

The Devonshire Road Infectious Diseases Hospital, Barrow-In-Furness, and the West Cumberland Hospital, Whitehaven, are available for the treatment of Infectious Diseases.

SMALLPOX HOSPITALS:

Cases of Smallpox would be admitted to the Langley Park Hospital, Co. Durham, but in the event of a major outbreak, Longtown Hospital would also be available. The Cumberland County Council Ambulance Service is responsible for the transport of patients.

MENTAL HOSPITALS:

Cases of mental illness are admitted to Lancaster Moor Hospital, Lancaster, Garlands Hospital, Carlisle, or the psychiatric wing at the West Cumberland Hospital, Whitehaven.

VENEREAL DISEASES:

Cases of venereal diseases and allied disorders are treated at special treatment centres at the West Cumberland Hospital, Whitehaven, or the Devonshire Road Hospital, Barrow-In-Furness. Treatment is confidential and free of charge and in all, five local residents were seen at these centres during 1966. Four of these five patients were found to be suffering from "other conditions".

TREATMENT CENTRES AND CLINICS

Child Welfare Clinics are held at the St. George's Road Clinic, Millom from 2.00 p.m. to 4.00 p.m. every Tuesday, and at the New Clinic, Seascale, from 2.00 p.m. to 4.00 p.m. on alternate Thursdays. Proprietary Baby Foods can be purchased at both these centres, along with the National Dried Milk, Cod Liver Oil, Orange Juice, etc. The Seascale Child Welfare Clinic has since been temporarily closed pending a re-organization of Medical Services in this Town.

Other sessions held at Millom and Seascale Clinics are as follows :-

<u>Immunisations</u> (all age groups):	1st and 3rd Tuesdays at Millom Clinic	- 10.00 a.m. to 11.30 a.m. - 2.00 p.m. to 4.00 p.m.
<u>Dental:</u>	Tuesdays, Wednesdays and Fridays at Millom Clinic	- 10.00 a.m. to 4.00 p.m.
	Thursdays at Seascale Clinic	- 10.00 a.m. to 4.00 p.m.
<u>Orthopaedic:</u>	4th Mondays at Millom Clinic	- 10.00 a.m. to 12.00 noon
	4th Mondays at Seascale Clinic	- 2.00 p.m. to 4.00 p.m.
<u>Child Guidance:</u>	As necessary	
<u>Relaxation Classes:</u>	Each Monday at Millom	- 2.00 p.m. to 4.00 p.m.
	Each Tuesday at Seascale	- 2.00 p.m. to 4.00 p.m.
<u>Cervical Cytology:</u>	Thursdays at Millom Clinic as needed	- 2.00 p.m. to 4.30 p.m.

SPECIALIST SERVICES AVAILABLE AT MILLOM CLINIC

<u>Medicine:</u>	3rd Fridays	2.30 p.m.	Dr. C.B.I. Willey.
<u>Surgery:</u>	2nd Fridays	9.00 a.m.	Mr. H.A. Daniels.
	Last Wednesdays	9.00 a.m.	Mr. A.W.B. Strachan.
<u>Gynaecology</u> <u>& Obstetrics:</u>	2nd and 4th Fridays	2.30 p.m.	Mr. B. Spanton.
<u>Chest:</u>	1st Wednesdays as needed	2.00 p.m.	Dr. R. Hambridge.
<u>Ophthalmic:</u>	1st and 3rd Fridays	9.30 a.m.	Mrs. A.C. Reid.

HEARING AID BATTERIES:

Hearing Aid Batteries can be obtained at the Health Department, St. George's Road, during office hours Monday to Friday.

LABORATORY SERVICE:

The Public Health Department is once more indebted to Dr. D.G. Davies, of Carlisle, and his colleagues for their help in the many examinations carried out during 1966.

Dr. Davies is also the Smallpox Consultant for the District. Fortunately, during 1966 the need for his expert opinion and advice did not arise.

MILLOM AMBULANCE AND SITTING CASE CAR SERVICE:

The Cumberland County Council administers this service directly from Carlisle. The Ambulance Service is under the immediate supervision of the Chief Ambulance Officer.

There are two dual purpose vehicles and one emergency stretcher ambulance stationed at the Crown Street Depot, Millom. In addition there is a Hospital Car Service provided which comes under the auspices of the British Red Cross Society. In the main, cars are used for the conveyance of non-urgent sitting cases.

CHIROPODY SERVICE:

The Cumberland County Council offers a Chiropody Service at both Millom and Seascale, for the elderly, expectant mothers and the physically handicapped. Such sessions are held on Mondays, Wednesdays and Fridays at Millom, and on each Wednesday (except the first Wednesday of the month) at Seascale. Domiciliary treatment is also available when needed.

Recommendations for treatment can be made by all doctors, health visitors or district nurses in the area.

FAMILY PLANNING CLINIC:

The year 1966 saw the opening of a Family Planning Clinic sponsored by the Family Planning Association. The first Session was held on 7th November and from then to the end of the year, ten new patients were seen. At the time of writing this, in early 1967, it is obvious that the expert advice given is much appreciated locally and Clinic attendances continue to increase. The Clinic itself is under the charge of an experienced Doctor and Nurse assisted by a number of voluntary workers. The Sessions are held on the 1st and 3rd Mondays of each month from 2.00 p.m. to 4.00 p.m.

OTHER SERVICES:

Additional Health Services available to Millom Rural residents include:- Domestic Help, Care and After Care (Equipment Issues), Convalescent Home Treatment, Training Centres, various Nursing Services, etc. These are all Services sponsored by the County Council and are under the day-to-day management of the Southern Area Health Committee whose Headquarters are at Flatt Walks, Whitehaven.

NOTIFICATION OF INFECTIOUS DISEASES

1965 and 1966

D I S E A S E	No. of Cases Notified	
	1966	1965
Measles	48	200
Pneumonia	22	1
Scarlet Fever	88	2
T.B. (Pulmonary)	3	4
T.B. (Non-Pulmonary)	-	-
Whooping Cough	2	12
Food Poisoning	-	4
Dysentery	2	4
Erysipelas .	1	1
T O T A L	166	228

SCARLET FEVER CASES 1966

During 1966, Scarlet Fever returned to the District and manifested itself with a now unfamiliar severity.

After years of relative freedom from Scarlet Fever, an outbreak of this Disease commenced in the Millom Schools during February and dragged on until June, 1966. The number of Scholars involved was 82, of which almost half were young children attending the Infants' School. The Disease was quite severe and obviously very infectious. Recent experience of Scarlet Fever has tended to make one regard it as a rather trivial complaint readily responding to a short course of antibiotic or chemotherapeutic treatment, after which the patient can make an early and safe return to normal activities and soon be back at School. It was quite apparent from the medical examinations of some of these Scholars on their return to School that whilst the antibiotic treatment they had received had remedied the soreness of their throats, their headaches and feverishness and their rashes, it had not cleared up all the other manifestations of a nasopharyngeal-streptococcal infection. The further exclusion of some of these Scholars resulted in a steady reduction in the number of new cases of the Disease in the Schools and the outbreak cleared up by mid June.

It is interesting to speculate on one or two points which arose during the outbreak and the following come to mind :-

The current impression that Scarlet Fever has now become a readily treated and almost trivial condition does not render it any the less infectious or less readily transmitted to others susceptible to the haemolytic streptococcus.

As a newcomer to the district it seemed worthwhile to recall and re-institute some of the old traditional Health Department procedures in dealing with this Infectious Disease.

There appeared to be a need for a further exchange of information and better contact between the Schools, the local Doctors and the Medical Officer of Health whereby amongst other things the premature return to School of the infected Scholars should not arise.

B.C.G. VACCINATION 1966 - MILLOM RURAL DISTRICT

Children in 13/14 year age groups

No. in 13/14 year age group	...	181
No. of acceptances	...	159
No. tested	...	135
No. Mantoux negative	...	102
No. Mantoux positive	...	18)
No. Mantoux positive following B.C.G. at Chest Clinic	...	15)
No. given B.C.G. vaccination	...	101

The above table summarizes the work done as carried out by the Local Health Authority in School Children and by the Hospital Service in the case of contacts. A further reduction in the number of children found to be Mantoux positive indicates that fewer and fewer children are now being exposed to active cases of the Disease.

TUBERCULOSIS - 1966

There were no deaths from Tuberculosis during 1966. Three cases of Pulmonary Tuberculosis were notified during the year. The number of cases on the Tuberculosis Register at the end of the year was :-

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Respiratory	23	9	32
Non-respiratory	-	4	4
Total	<u>23</u>	<u>13</u>	<u>36</u>

MASS RADIOGRAPHY UNIT, CARLISLE

The Mass Radiography Unit paid no visits to the Millom Rural District Council's area during 1966.

MILCOM BURAL DISTRICT

PARTICULARS OF VACCINATION AND IMMUNISATION
FOR YEAR ENDED 31st DECEMBER, 1966

	<u>'A'</u> <u>TRIPLE</u>		<u>'B'</u> <u>DIPHTHERIA/TETANUS</u>		<u>'C'</u> <u>DIPHTHERIA</u>		<u>'D'</u> <u>TETANUS</u>	
	<u>Prim</u>	<u>Bstr</u>	<u>Prim</u>	<u>Bstr</u>	<u>Prim</u>	<u>Bstr</u>	<u>Prim</u>	<u>Bstr</u>
Under 1 year	68	-	-	-	-	-	-	-
1 - 4 years	148	152	2	8	-	-	-	-
5 - 9 years	6	20	20	327	2	22	13	2
10 - 14 years	-	4	10	57	3	44	21	6
15 years	-	-	-	-	-	-	2	-
T O T A L S	222	176	32	392	5	66	36	8

Total Diphtheria Immunisation =
Columns A + B + C

	<u>Prim</u>	<u>Bstr</u>
Under 1 year	68	-
1 - 4 years	150	160
5 - 9 years	28	369
10 - 14 years	13	105

Total Tetanus Immunisation =
Columns A + B + D

	<u>Prim</u>	<u>Bstr</u>
Under 1 year	68	-
1 - 4 years	150	160
5 - 9 years	39	349
10 - 14 years	31	67

VACCINATION AGAINST POLIOMYELITIS

<u>Age groups:</u>	<u>Primary</u>	<u>Booster</u>
Under 1 year	38	-
1 - 4 years	188	4
5 - 9 years	50	246
10 - 14 years	13	31
15 years	2	-
	<hr/>	
T O T A L	291	281
	<hr/>	

VACCINATION AGAINST SMALLPOX

<u>Age groups:</u>	<u>Vaccinated</u>	<u>Re-vaccinated</u>
Under 1 year	6	-
1 year	82	-
2 - 4 years	60	-
5 - 14 years	15	7
15 years	1	1
	<hr/>	
T O T A L	164	8
	<hr/>	

WATER SUPPLY

I am indebted to Mr. D.S. Henderson, B.Sc., A.M.I.C.E., A.M.I.W.E., Engineer to the South Cumberland Water Board, for the following comprehensive report.

(A) General Report on Water Supplies

	<u>Quality</u>	<u>Quantity</u>
Millom Town Supply (Including Whicham and The Green)	Very good	Very good
Bootle	Very good	Very good
Northern Area - Devoke Water	Very good	Very good
Northern Area - Wast Water	Very good	Very good

(B) Results of Bacteriological Examination

During the year 161 samples of water for bacteriological examination were taken from public supplies by the Millom Rural District Council, Health Department and the South Cumberland Water Board. Results of the examinations were as follows :-

<u>Supply</u>	<u>No. of Samples</u>	<u>No. Negative in 100 mls.</u>	<u>No. Positive in 50 mls.</u>	<u>% Negative in 100 mls.</u>
Millom	45	44	1	98%
Bootle	35	34	1	97%
Wast Water	81	80	1	99%

Results of Chemical Analysis

During the year ten chemical analysis were made of Millon Supply Water and were as follows :-

1.	Millon	(Filtered, treated and chlorinated)			
2.	"	"	"	"	"
3.	"	"	"	"	"
4.	"	"	"	"	"
5.	"	"	"	"	"
6.	"	"	"	"	"
7.	"	"	"	"	"
8.	"	"	"	"	"
9.	"	"	"	"	"
10.	"	"	"	"	"

	<u>No. 1.</u>	<u>No. 2.</u>
Appearance	Clear & Colourless	Very slightly Turbid
Odour	Nil	Nil
Reaction, pH	6.4	6.7
- parts per million -		
Total solids	56.0	64.0
Nitrogen as free & saline ammonia	0.04	0.06
Nitrogen as albuminoid ammonia	0.00	0.035
Nitrogen as nitrites	Nil	Nil
Nitrogen as nitrates	less than 0.25	1.2
Chlorides, as Cl	14.5	16.5
Oxygen absorbed from permanganate in 4 hours at 27°C	2.3	0.3
Total hardness	18.5	19.0
Temporary hardness	13.0	13.0
Permanent hardness	5.5	6.0
Alkalinity	13.0	13.0
Free Chlorine	0.21	0.212
Potassium, as K	0.06	0.6
Anionic synthetic detergents	-	-
Manganese, as Mn	-	-
Cyanides and thiocyanates	-	-
Poisonous metals	Nil	Nil
Fluorine	less than 0.1	less than 0.1

No.1. & No.2. Opinion

The Chemical condition of this water is satisfactory.

	<u>No. 3.</u>	<u>No. 4.</u>	<u>No. 5.</u>
Appearance	- - - clear	& colourless	- - -
Odour	Nil	Nil	Nil
Reaction, pH	8.3	8.8	8.2
	- - - parts per million	- - -	- - -
Total solids	60.0	51.0	60.0
Nitrogen as free & saline ammonia	0.06	0.04	0.00
Nitrogen as albuminoid ammonia	0.00	0.00	0.00
Nitrogen as nitrites	Nil	Nil	Nil
Nitrogen as nitrates	0.0	0.0	0.8
Chlorides, as Cl	14.5	16.5	12.5
Oxygen absorbed from permanganate in 4 hours at 27°C	0.7	0.95	0.4
Total hardness	18.5	24.5	18.5
Temporary hardness	14.0	11.0	10.0
Permanent hardness	4.5	13.5	8.5
Alkalinity	14.0	see below	10.0
Free Chlorine	0.135	0.11	0.053
Potassium, as K	0.4	0.4	0.3
Anionic synthetic detergents	-	-	-
Manganese, as Mn	-	-	-
Cyanides and thiocyanates	-	-	-
Poisonous metals	Nil	Nil	Nil
Fluorine	less than 0.1	less than 0.1	less than 0.1
Alkalinity, to methyl orange	-	11.0	-
to phenolphthalein	-	1.0	-

No. 3. Opinion

The concentration of fluorine in this sample is negligible.
The organic condition is satisfactory.

No. 4. Opinion

The organic condition of this sample is satisfactory.

No. 5. Opinion

The chemical condition of this water is satisfactory.

	<u>No.6.</u>	<u>No.7.</u>	<u>No.8.</u>
Appearance	- - -	clear & colourless	- - -
Odour	Nil	Nil	Nil
Reaction, pH	6.8	8.7	8.45
	- - -	parts per million	- - -
Total solids	43.0	52.0	30.0
Nitrogen as free & saline ammonia	0.05	0.055	0.03
Nitrogen as albuminoid ammonia	0.005	0.00	0.00
Nitrogen as nitrites	Nil	Nil	Negligible
Nitrogen as nitrates	0.00	0.0	less than 0.5
Chlorides, as Cl	12.5	14.0	9.5
Oxygen absorbed from permanganate in 4 hours at 27°C	0.65	1.05	0.95
Total hardness	13.0	15.0	15.5
Temporary hardness	9.0	14.0	15.0
Permanent hardness	4.0	1.0	0.5
Alkalinity	9.0	14.0	see below
Free Chlorine	0.095	Nil	Nil
Potassium, as K	0.4	0.3	0.3
Anionic synthetic detergents	-	-	-
Manganese, as Mn	-	-	-
Cyanides and thiocyanates	-	-	-
Poisonous Metals	Nil	Nil	Nil
Fluorine	less than 0.1	less than 0.1	less than 0.1
Alkalinity to methyl orange	-	-	14.0
to phenolphthalein	-	-	1.0

No.6. Opinion

The chemical condition of this water is satisfactory.

No.7. Opinion

The organic condition of this sample is satisfactory.
The fluorine content is negligible.

No.8. Opinion

The chemical condition of this water is satisfactory.

	<u>No.9.</u>	<u>No.10.</u>
Appearance	- clear and colourless -	
Odour	Nil	Nil
Reaction, pH	6.1	6.2
	- parts per million -	
Total solids	30.0	64.0
Nitrogen as free & saline ammonia	0.00	0.00
Nitrogen as albuminoid ammonia	0.02	0.00
Nitrogen as nitrites	slight trace	Nil
Nitrogen as nitrates	0.00	less than 0.5
Chlorides, as Cl	11.0	11.0
Oxygen absorbed from permanganate in 4 hours at 27°C	0.7	1.1
Total hardness	19.0	14.0
Temporary hardness	14.0	10.0
Permanent hardness	5.0	4.0
Alkalinity	14.0	10.0
Free Chlorine	0.03	Nil
Potassium, as K	3.0	0.3
Anionic synthetic detergents	-	-
Manganese, as Mn	-	-
Cyanides and thiocyanates	-	-
Poisonous metals	Nil	Nil
Fluorine	less than 0.1	less than 0.1

No.9. Opinion

The water is somewhat acid but the organic condition is satisfactory.

No.10. Opinion

The chemical condition of this water is satisfactory, although it has an acid reaction and may be expected to be corrosive to metals. The fluorine content is negligible.

<u>Supply</u>	<u>Parishes Supplied</u>
Millom (Baystone Bank)	Millom: Millom Without: Whicham.
Bootle (Fellside)	Part Bootle.
Northern Area (Devoke Water)	Part Muncaster (15 houses).
Northern Area (Wast Water)	Seascale: Drigg: Ravenglass: Irton with Santon: Eskdale: Waberthwaite: Part Bootle.

(C) Report of Plumbo-Solvency.

Chemical analysis of the water from the various supplies throughout the district suggest that the risk of plumbo-solvency is negligible. However, the Ministry of Housing and Local Government have approved a Byelaw prohibiting the use of pipes of lead or lead alloy for use in water services intended for the conveyance of water for human consumption.

(D) Action in respect of any form of contamination.

All supplies are chlorinated. When contamination of a raw water is indicated by increased "Chlorine demand" the gathering grounds of that particular source are inspected to ascertain the probable cause. Quite frequently contamination is caused by the unburied bodies of animals, particularly sheep. These carcasses are removed and buried elsewhere. The Area where the carcass had lain is then treated with lime. Samples of water going into supply are regularly sent from all supplies for bacteriological examination and mains are periodically flushed.

When a doubtful report is received from a bacteriological examination of a chlorinated water, an immediate examination and tests are made to ascertain the cause. Further samples are then taken and submitted for bacteriological examination and report.

(E) Particulars of the number of dwelling houses and the number of the population supplied from public mains.

(a) Direct to House

A R E A	Total		Supplied direct		Not supplied	
	Popul- ation	No. of Houses	Popul- ation	No. of Houses	Popul- ation	No. of Houses
Millom	9,403	3,379	9,242	3,279	161	100
Bootle	1,027	325	998	307	29	18
Northern Area	4,537	1,379	3,841	1,115	696	264
Ulpha	123	54	0	0	123	54
T O T A L S :-	15,090	5,137	14,081	4,701	1,009	436

(b) By means of standpipe - NIL.

Note:- The Parish of Ulpha is not in the area of supply of the South Cumberland Water Board and it is possible that some properties in this parish may be supplied by the Furness Water Board who have mains in this area.

OBSERVATIONS

Millom Supply Area.

During 1966 Lanthwaite Filter Station functioned satisfactorily.

Rainfall over the Baystone Bank gathering grounds was sufficient to maintain the reservoir at a reasonable level without recourse to pumping from the Hole House Pumping Station. A start was made during the year on laying a 6" trunk main from Hole House to Hellpool Bridge, Silecroft to give an alternative supply to Millom during any periods of repair, etc. to the existing 12" trunk main.

Bootle Supply Area.

Fellside Filtration and Treatment Plant worked satisfactorily during 1966 and water supplies were adequate throughout the area.

Northern Supply Area (Wast Water).

During 1966 the Pumping and Chlorination Plants on this supply were working normally and water supplies were good. Several more properties were transferred to this supply from the Devoke Water Source.

Northern Supply Area (Devoke Water).

Only 15 domestic properties are now supplied from this source. Supplies to these properties were good during 1966.

(signed) D.S. Henderson.

Engineer to the
South Cumberland Water Board.

ANNUAL REPORT OF THE SURVEYOR & CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR 1966.

To: Dr. W. S. Slater,
Medical Officer of Health.

Sir,

I herewith submit my Annual Report on the work carried out by this Department for the year ending 31st December 1966.

My report includes information which has been given in previous years, in some instances because I consider it to be worthy of repetition and also because it might prove helpful to Councillors, particularly those newly elected.

GENERAL STATISTICS.

Summary of Inspections and Visits.

Public Health & Housing Acts.	860
Complaints Investigated.	506
Interviews with Owners.	610
Revisits to properties, inspections of buildings under construction and work in hand.	788
Inspections after Notification of Infectious Diseases.	82
Factories.	144
Food Premises.	206
Dairies.	34
Licensed Premises.	31
Caravan Sites.	21
Offices & Shops.	56
Petroleum Installations.	54
Cinemas & Public Halls.	10
...	
Informal Notices served.	119
Informal Notices complied.	104
Formal Notices served.	4
Formal Notices complied.	3
Houses Closed - Informally.	14

HOUSING.

New Dwellings.

(a)	Completed by North Eastern Housing Association Ltd., on behalf of the Council.			
(i)	Bungalows.	15		
(ii)	Dwelling Houses.	<u>-</u>	15	
(b)	Completed by private enterprise.			
(i)	Bungalows.	9		
(ii)	Dwelling Houses.	<u>2</u>	<u>11</u>	<u>26</u>
(c)	Under construction at 31/12/66 by North Eastern Housing Association Ltd., on behalf of the Council.			
(i)	Bungalows.	13		
(ii)	Dwelling Houses.	<u>-</u>	13	
(d)	Under construction at 31/12/66 by private enterprise.			
(i)	Bungalows.	19		
(ii)	Dwelling Houses.	8		
(iii)	Flats.	<u>1</u>	<u>28</u>	<u>41</u>

Dwellings erected by private enterprise were located as follows:-

Millom.	3
Bootle.	2
Irton.	1
Drigg.	1
Seascale.	4

One dwelling was also provided by conversion.

...

Housing Programme.

The construction of 15 bungalows at Combe View, Bootle was completed during the year. These bungalows were provided with electric under floor central heating, and although some of the tenants experienced difficulties with this form of heating in the early stages, the general feeling is now one of satisfaction.

Thirteen bungalows are under construction at Haverigg and will be completed early in 1967. This is the third and final stage in the erection of 49 bungalows on this site. It is, however, disappointing to record that there have been delays in the preparation of schemes for the future, and there is no doubt that a break in the continuity of building operations will occur on completion of the contract for these particular bungalows at Haverigg.

A start has still not been made on the erection of Part II and Part III Accommodation on land between Lapstone Road & St. George's Road, Millom. This is a scheme to be provided jointly by this Council and the Cumberland County Council.

Plans for the further development of land at Devonshire Road, Millom are being prepared, and some 60 units of accommodation are proposed for the south side, although I cannot visualise a start being made on this site until the latter part of 1967. These and all future dwellings will be constructed to the Parker Morris Standard.

Further progress has been made on the purchase of several parcels of land on the north side of Devonshire Road, and it would now seem that once building operations recommence, continuity should be ensured for several years. This in turn will enable progress to be made on the lines suggested in the Advisory Plan for Millom.

Allocation of Tenancies.

The total number of dwellings for which the tenants are selected by the Council is made up as follows:-

Council Dwellings.

Post War Houses.	319	
Post War Flats.	12	
Post War Bungalows.	32	
Pre-War Terraced Houses.	36	
Pre-War Terraced Flats.	<u>2</u>	401

North Eastern Housing Association Dwellings.

War-time Houses.	204	
Post War Houses.	74	
Post War Bungalows.	<u>67</u>	<u>345</u>
		<u>746</u>

The allocation of tenancies of Houses, Bungalows and Flats, which were constructed or vacated during the year, was as follows:-

(a)	From the 'General List' .	29	
(b)	Agricultural Workers.	1	
(c)	From the 'Aged Persons' List' .	21	
(d)	Exchanges effected within the Authority.	16	
(e)	Exchanges effected with other Authorities.	<u>-</u>	<u>67</u>

During 1966 new applications were received as follows:-

(a)	'General List' .	74	
(b)	'Aged Persons' List' .	<u>41</u>	<u>115</u>

This year the Housing Lists were not completely revised but were kept up to date as far as possible. The numbers on the lists at 31st December 1966, were as follows:-

(a)	'General List' .	146	
(b)	'Aged Persons' List' .	<u>68</u>	<u>214</u>

Of the 146 applications on the 'General List', 18 are from applicants where there is more than one family residing in the house, and 110 from residents in the Millom Rural District who, although already housed, desire to improve their standard of living accommodation, or in a few instances from those who wish to move from one part of the area to another in order to avoid excessive travelling to and from work.

It has been noted that there has been an increase in the number of applicants who have refused the offer of housing accommodation, even though such accommodation has been in the particular area for which it was requested.

Improvement Grants.

Standard Grants.

Applications approved. 26

Improvements to dwellings completed:-

(i)	Owner/Occupied.	21	
(ii)	Tenanted.	<u>8</u>	29

Number of amenities provided:-

(a)	Fixed Bath.	26
(b)	Washhand basin.	26
(c)	Hot water supply to -	
	(i) Bath.	26
	(ii) Washhand basin.	26
	(iii) Sink.	16
(d)	Water Closet within dwelling.	29
(e)	Foodstore.	22

Amount paid in grants:- £4,200. 5. 3d.

Average grant per house:- £144. 16. 8d.

Discretionary Grants.

Applications approved.		4
Improvements to dwellings completed:-		
(i) Owner/Occupier.	3	
(ii) Tenanted.	<u>2</u>	5

Amount paid in Grants:- £1,228. 0. 0d.

Average grant per house:- £ 245. 12. 0d.

Fewer applications for grants are being received, although the number of dwellings actually improved varies little from the previous year.

Overcrowding.

(a)	(i)	Number of dwellings overcrowded at 31.12.65.	7
	(ii)	Number of Families dwelling therein.	10
	(iii)	Number of persons dwelling therein.	54
(b)		Number of new cases during the year.	6
(c)	(i)	Number of cases relieved.	2
	(ii)	Number of persons concerned.	13
(d)	(i)	Number of dwellings overcrowded at 31.12.66.	11
	(ii)	Number of families dwelling therein.	15
	(iii)	Number of persons dwelling therein.	86

Common Lodging Houses.

There are no common Lodging Houses within the area of this Authority.

BUILDING REGULATIONS.

The Building Regulations 1965 came into operation on 1st. February 1966, and up to the end of the year 157 applications were received.

This has been a particularly difficult period, but every effort has been made to give advice so that whenever possible the applications, when formally submitted, complied with the Regulations. This method has been time consuming but worth-while and has proved quite effective.

FOOD & DRUGS ACTS AND REGULATIONS.

Premises.

Attention was again given to food premises generally, and I make no apology for drawing attention, each year, to the necessity for all personnel connected with the handling of food to maintain the highest possible standards of hygiene and personal cleanliness. Food hygiene is very much a personal matter and any laxity by one person can so easily undo all the good work which has been carried out by others.

The following schedule indicates the various food premises, with particular reference to Regulations 16 and 19 of the Food Hygiene (General) Regulations 1960.

<u>Type of Premises.</u>	<u>Number.</u>	<u>Number fitted to comply with Regulation 16.</u>	<u>Number to which Regulation 19 applies.</u>	<u>Number fitted to comply with Regulation 19.</u>
Catering Premises.	56	56	56	53
Grocers and General Stores.	49	49	36	36
Butchers.	13	13	13	10
Bakers and Confectioners.	5	5	5	5
Greengrocers.	8	8	8	5
Sweets and Confectionery.	10	10	4	4
Fish & Chip Premises.	5	5	5	5
Wet Fish Premises.	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
	<u>147</u>	<u>147</u>	<u>128</u>	<u>119</u>

Ice Cream Premises.

Licenses for the Storage & Sale of Pre-Packed Ice Cream.

Licenses in operation 31.12.65.	61
New Licenses issued.	8
Licenses withdrawn.	11
Licenses in operation 31.12.66.	58

Licenses for the Manufacture, Storage and Sale of Ice Cream.

Licenses in operation.	2
------------------------	---

Foodstuffs.

The following foodstuffs were found on examination to be unfit for human consumption and were voluntarily surrendered and destroyed:-

44 lbs. Pork.	192 tins Sauerkraut.
43 lbs. Corned Beef.	3 tins Carrots.
6 lbs. Ox Tongue.	9 tins Peas.
649 lbs. Bacon.	1 pkt Brussel Sprouts.
135 lbs. Cooked Ham.	1 pkt Peas.
6 lbs. Jellied Veal.	2 pkts Sweet Corn.
6 tins Pork Luncheon Meat.	6 pkts Spinach.
20 tins Chopped Pork.	2 pkts Chips.
4 tins Beef Steak.	38 tins Tomatoes.
1 tin Pork & Ham.	1 jar Pickles.
2 tins Stewed Steak.	2 tins Soup.
8 tins Pork in Juice.	7 tins Semolina Pudding.
5 pkts Beef Steak.	1 tin Rice Pudding.
4 pkts Stewed Steak.	2 tins Macaroni.
2 pkts Beef Sausage.	1 pkt Puff Pastry.
6 Steaklets.	2 Devon Pies.
16 Beef Burgers.	13 tins Evaporated Milk.
1 Savoury Duck.	2 lbs Bierwurst.
4 Steak & Kidney Pies.	2 lbs Blutwurst.
17 tins Pineapples.	2 lbs Teewurst.
10 tins Grapefruit.	2 Pork Rings.
25 tins Peaches.	2 lbs Paprika Speck.
35 tins Pears.	5 tins Salmon.
8 tins Fruit Salad.	9 tins Pilchards.
18 tins Raspberries.	13 pkts Fish Fingers.
2 Chicken Dinners.	36 pkts Fish Portions.
2 Chickens.	4 pkts Kippers.
7 tins Chicken.	20 Fish Cakes.

Total estimated weight of these items:- 11 cwts. 12 lbs.

MEAT INSPECTION REGULATIONS.

One Slaughterhouse continued in operation during the year. This is located in King Street, Millom and is owned by the Millom Abattoir Co.Ltd., All animals killed at the Slaughterhouse were inspected.

The throughput showed an increase of some $7\frac{1}{2}\%$ on the previous year. Slaughtering took place on 308 days (as compared with 307 days in 1965), and involved 833 separate visits (931 in 1965).

At the end of the year discussions took place with the representatives of the Millom Abattoir Co.Ltd., and the Millom Master Butchers' Association, as a result of which hours of slaughtering were fixed as follows:-

Monday.	6 a.m.	to	7 p.m.
Tuesday.	9 a.m.	to	6 p.m.
Wednesday.	9 a.m.	to	1 p.m.
Thursday.	6 a.m.	to	7 p.m.
Friday.	9 a.m.	to	6 p.m.
Saturday.	12 noon.	to	6 p.m.
Sunday.	No Slaughtering.		

These hours are relaxed from 19th. to 24th. December, and 27th. to 31st. December, and also for emergency slaughtering.

The adoption of these hours of slaughtering has resulted in improved conditions for the Inspectors and would not appear to have involved the Butchers in any inconvenience.

The amount received by the Council as Inspection Fees amounted to £260.7.9d. (£248.5.3d. in 1965).

Summary of Inspections for 1966:-

Particulars.	Cattle excluding Cows.	Cows.	Sheep and Lambs.	Pigs.	Calves.
Number killed.	920	72	3716	1326	15
Number inspected.	920	72	3716	1326	15
<u>All diseases except Tuberculosis.</u>					
Whole carcasses condemned.	3	-	4	3	2
Carcasses of which some part or organ was condemned.	368	38	1054	195	1
Percentage of the number inspected affected with diseases other than Tuberculosis.	40.32%	52.77%	28.47%	14.93%	20.00%
<u>Tuberculosis only.</u>					
Whole carcasses condemned.	-	-	-	-	-
Carcasses of which some part or organ was condemned.	1	-	-	6	-
Percentage of the number inspected affected with Tuberculosis.	0.10%	-	-	0.45%	-

Details of Carcasses, Portions or Organs condemned:-

3 Bovine Carcasses.	1 Calf Lungs.	8 Pig Heads.
365 Bovine Livers.	4 Sheep Carcasses.	100 Pig Livers.
16 Bovine Lungs.	997 Sheep Livers.	147 Pig Lungs.
47 Bovine Mesenteries.	83 Sheep Lungs.	8 Pig Kidneys.
4 Bovine Udders.	1 Sheep Omentum.	5 Pig Hearts.
1 Portion of Beef.	2 Portions Mutton.	3 Portions of Pork.
2 Calf Carcasses.	3 Pig Carcasses.	

Total weight condemned during 1966:- 4 Tons. 1 Cwt. 78 lbs.
 Total weight condemned during 1965:- 2 Tons. 11 Cwts. 51 lbs.

Number of Licensed Slaughtermen: 25.

MILK SAMPLES.

Reports on samples of milk taken by this Department for examination by the Cumberland Public Health Laboratory, are as follows:-

	Number of Samples.	Methylene Blue Test.			Phosphatase Test.			M.R.T.		
	*	S.	U.	V.	S.	U.	V.	P.	N.	V.
<u>Pasteurised.</u>										
<u>Main Retailers.</u>										
Bottles.	6	5	-	1	5	-	1			
<u>Shops.</u>										
Bottles.	1	-	1	-	-	1	-			
Cartons.	8	6	-	2	5	2	1			
<u>Vending Machine.</u>										
Cartons.	2	1	1	-	-	2	-			
<u>Untreated.</u>										
<u>Main Retailers.</u>										
Bottles.	2	2	-	-				-	2	-
<u>Shops.</u>										
Bottles.	14	8	2	4				** 1	11	2
	33	22	4	7	10	5	2	1	13	2

* S - Satisfactory. P - Positive.
 U - Unsatisfactory. N - Negative.
 V - Void. V - Void.

** The sample reported as being positive-reaction to M.R.T. was subsequently found to be negative to Brucella Abortus on culture.

WATER SAMPLES.

Good liaison with the South Cumberland Water Board was maintained during the year.

Investigations were carried out after reports of unsatisfactory samples.

The results of samples taken by this Department were as follows:-

<u>Source.</u>	<u>Type.</u>	No. of Samples.	Excellent.	Satisfactory.	Suspicious.	Unsatisfactory.
<u>Baystone Bank.</u> Area supplied:- Millom. Haverigg. Thwaites. Ladyhall. The Green. The Hill. Kirksanton. Silecroft.	Filtered Treated and Chlorinated.	35	32	-	-	3
<u>Gibson Spout.</u> Area supplied:- Bootle. Part Eskmeals.	Filtered Treated and Chlorinated.	24	22	1	-	1
<u>Linbeck.</u> Area supplied:- Part Muncaster.	Chlorinated.	1	1	-	-	-
<u>Wastwater. - Blackbeck.</u> Area supplied:- Eskdale. Boot. Waberthwaite. Part Eskmeals. Irton. Santon. Saltcoats. Carleton ¹ . Ravenglass.	Chlorinated.	31	27	2	1	1
<u>Wastwater. - Whitegate.</u> Area supplied:- Holmrook. Drigg. Seascale.	Chlorinated.	28	27	-	-	1
		119	109	3	1	6

LICENSED PREMISES.

Further progress has been made in carrying out works of improvement to Licensed Premises, particularly with regard to toilet accommodation.

Since the survey in 1961, such improvements have been carried out at 17 premises, work is in hand at one, and two premises have been voluntarily closed.

CINEMAS & PUBLIC HALLS.

The Palladium Cinema was provided with new toilet accommodation for both males and females.

REFUSE COLLECTION & DISPOSAL.

Services which have been instituted have been satisfactorily maintained. Several more isolated premises have been added to the routes and in certain instances collections have been increased from fortnightly to weekly.

The paper sack system of refuse storage and collection was introduced at the fifteen centrally heated bungalows completed during the year at Combe View, Bootle and it is proposed to extend this method to the bungalows under construction at Haverigg.

The frequency of collections generally, for the several localities, is as follows:-

Weekly:-

Millom.
Haverigg.
Ravenglass.
Drigg.
Holmrook.
Seascale.

Fortnightly:-

The Hill.
The Green.
Hallthwaites.
Ladyhall.
Ulpha.
Whicham.
Whitbeck.
Bootle.
Corney.
Waberthwaite.
Eskmeals.
Irton.
Santon.
Eskdale.
Boot.

Monthly:- Several outlying premises in the rural parishes where suitable arrangements can be made.

Shops, and in particular food shops, generally have an extra collection. It is estimated that about a quarter of the total refuse collected is from these premises.

Details of refuse collection and disposal for the year are as follows:-

<u>Vehicle.</u>	<u>Loads.</u>	<u>Estimated cu.yds. of Refuse.</u>
Dennis. 53.	157	1413
Dennis. 56.	654	5886
Karrier. 61.	588	7056
Dennis. 62.	909	17271
Dennis. 63.	501	4509
S. & D. 66.	51	1009
	<u>2860</u>	<u>37144</u>

Once again there was an increase in the amount of refuse collected. This has been the trend for a number of years and it is estimated that some 50% more refuse is now being collected than was the case ten years ago.

A new Shelvoke & Drewry 20 cubic yard Pakamatic Refuse Collection Vehicle was purchased during 1966, and was brought into service on the 1st. November. This vehicle is proving a great advantage in the rural areas. Its size enables it to negotiate narrow country roads, and its carrying capacity to reduce the number of runs to the tip.

On receipt of the new vehicle, Dennis/53 (a side loader) was taken out of commission.

Refuse Tips.

<u>Daylight Mine, Millom.</u>	This has been satisfactorily maintained.
<u>Whitbeck.</u>	This too has been satisfactorily maintained.
<u>Seascale.</u>	The use of this tip was discontinued at the end of March. Covering material was obtained, enabling the refuse to be satisfactorily covered. The question of the future use of the land is in abeyance.
<u>Drigg.</u>	This tip came into use on the closing of the Seascale Tip. The land was purchased from the United Kingdom Atomic Energy Authority and is situated within their original boundary fence, thus helping to prevent indiscriminate tipping.

Earth-banks have been erected around and within the site and the whole is an improvement on previous arrangements.

Eskdale.

As anticipated in my last report the use of this tip has gradually decreased, partly because of the new tip at Drigg, and partly because of the new refuse vehicle being brought into service.

In due course it is expected that it will be possible to dispense with the use of this tip altogether.

Salvage.

Particulars of salvage sold during 1966, are as follows:-

	<u>Tons.</u>	<u>Cwts.</u>
Baled Paper.	5.	17.
Mixed Scrap.	3.	6.

Total receipts from this source:- £79. 5. 11d.

SEWERAGE & SEWAGE DISPOSAL.

The following is a brief summary of the public sewerage systems within the District.

<u>Millom.</u>	Sewers with three outfalls to Salthouse Pool (Tidal). No treatment.
<u>Haverigg & Steel Green.</u>	Sewers with three outfalls, one to the sea and two to Haverigg Pool on the foreshore (Tidal). No treatment.
<u>Waingate Bridge.</u>	Sewage Disposal Works with effluent discharging into Haverigg Pool (Tidal).
<u>The Green.</u>	Sewage Disposal Works for dwellings at Mill Park, with effluent discharging to Black Beck.
<u>Bootle.</u>	Sewage Disposal Works provided, which takes sewage from the majority of the village. Effluent from the works discharges into Sike Beck.
<u>Ravenglass.</u>	Sewers with three outfalls to estuaries of Mite and Esk (tidal). No treatment.
<u>Seascale.</u>	Sewers with one outfall to sea. No treatment.
<u>Eskdale.</u>	Sewage Disposal Works provided which takes sewage from part of the village.
<u>Whicham Terrace. Silecroft.</u>	Septic Tank provided.

Drigg.

Sewage Disposal Works takes sewage from part of village.
Effluent discharges to River Irt (Tidal).

Sewerage Schemes:-

Drigg & Holmrook.

Difficulties, such as in the purchase of land for pumping stations, continue to occur in the provision of a new sewerage scheme for the villages of Drigg and Holmrook, so that one now hesitates to predict a starting date for this scheme. However, when completed, the scheme proposed should lead to the further development of this area.

Seascale.

The County Engineer, acting as consultant for this Authority, is carrying out investigations in connection with improvements to the system at Seascale, and his further report is awaited.

Sewerage Schemes Generally.

Following on the Health Works Sub-Committee's inspections, the County Engineer has been asked to prepare schemes for the provision of sewers and works at Silecroft and for extending facilities at Eskdale.

At Haverigg the Lancashire River Authority are investigating the possibility of preventing flooding in the village and the agricultural hinterland, and in so doing may affect the existing sewer outfalls. This question will have to be borne in mind at the appropriate time.

Repairs and Maintenance.

General Works of repair and maintenance were carried out during the year, at the following points:-

Millom.

Lord Street, Lapstone Road, Albert Street, Market Street, Lonsdale Road, School Terrace, Newton Street, Palladium Grounds, Nelson Street, Lonsdale Terrace.

Haverigg and
Steel Green.

Main Street, Haverigg.

Steel Green.

Steel Green sewer outfall - new tidal flap provided and fixed.

Bootle.

Sewage Disposal Works - new centre column and distributor pipes fitted to filter bed.

Difficulties have been experienced with the electricity supply to these works which has been taken indirectly through Wellbank Camp.

A scheme is in hand to take a supply direct from the North Western Electricity Board.

<u>Drigg.</u>	Shore Road.
<u>Seascale.</u>	The Crescent. Sewer outfall.
<u>Ravenglass.</u>	Sewer outfall (No.2).

Conversions to Water-Carriage System.

During the year an additional twenty private premises were provided with septic tank method of sewage disposal.

RODENT CONTROL.

	<u>Non-Agricultural.</u>	<u>Agricultural.</u>
(a) Number of properties in district.	4562	328
(b) Number of properties inspected.	133	1
(c) Number of properties inspected which were found to be infested by:-		
Rats.	49	1
Mice.	44	-

Attention was once again paid to rodent control in sewers and on refuse tips.

PUBLIC CONVENIENCES.

The Council own and maintain public conveniences at -

Lancashire Road, Millom.
Sea View, Haverigg.
Silecroft Foreshore.
Bootle Foreshore.
Seascale Foreshore.

Urinal accommodation is also provided at -
Devonshire Road, Millom.
Haverigg Road, Millom.
Arch Hill, Seascale.

Yet again there have been outbreaks of vandalism directed at public conveniences, but probably less so than in previous years. In one instance a culprit was apprehended, charged and fined £20 plus costs of £12.3.11d.

SWIMMING POOLS & PADDLING POOL.

Samples of water were taken from the Swimming Pools at Millom and Seascale Schools, and also from the Millom Parish Council's Paddling Pool at Haverigg.

The results were as follows:-

	<u>Satisfactory.</u>	<u>Unsatisfactory.</u>
<u>Swimming Pools.</u>		
Millom School.	1	-
Seascale School.	3	-
<u>Paddling Pool.</u>		
Haverigg.	1	6

Works of improvement to the Paddling Pool at Haverigg were unfortunately delayed, but these are in hand and should be completed before the 1967 season.

OFFICES, SHOPS & RAILWAY PREMISES
ACT 1963.

Number of Registrations:-

<u>PREMISES.</u>	<u>At 31/12/65.</u>	<u>Removed from List 1966.</u>	<u>Registered during 1966.</u>	<u>At 31/12/66.</u>
Offices.	26	5	-	21
Retail Shops.	63	-	5	68
Catering Establishments.	16	-	-	16
	105	5	5	105

Number of Persons Employed in Registered Premises:-

<u>PREMISES.</u>	<u>Males.</u>	<u>Females.</u>	<u>Total.</u>
Offices.	38	26	64
Retail Shops.	76	168	244
Catering Establishments.	23	58	81
	137	252	389

During the year 9 general inspections were carried out and 47 visits / revisits were made.

23 contraventions of the Act were noted and informal notices issued in all cases. 17 defects were remedied.

1 accident was notified during the year.

CARAVAN SITES & CONTROL OF DEVELOPMENT ACT 1960.

Licenses in operation at 31/12/65.	15
Licenses Renewed.	1
Licenses Expired / Withdrawn.	1
New Licenses Issued.	1
Licenses in operation at 31/12/66.	15
Total number of caravan standings (of which 10 are individually sited).	180

90 of the Caravan-standings are situated at the Lake District Planning Board's site at Silecroft. Further improvements are being carried out and additional facilities are to be provided with a view to increasing the number to 120.

PETROLEUM REGULATIONS.

Number of Licenses issued:- 29

One application for a Licence to keep Petroleum Spirit was refused.

MISCELLANEOUS ITEMS.

Public Lighting.

The following is a summary of public lighting standards provided by this Authority in the various localities, as at 31st December 1966:-

Millom and Haverigg.	474
The Hill.	8
The Green.	9
Hallthwaites.	1
Kirksanton.	5
Whicham.	14
Bootle.	38
Hyccemoor.	9
Waberthwaite.	5
Santon.	3
Ravenglass.	7
Drigg & Holmrook.	30
Seascale.	124
Eskdale.	6
Total:-	<u>733</u>

In addition to the conversions and replacements which have been carried out, this total shows an increase of 36 over the previous year's figures.

Mention is made elsewhere of vandalism to public property and street lighting does not escape this form of malicious damage, causing unnecessary work, expense, and also causes inconvenience to road users.

Mortuary.

The Mortuary is located at the rear of Poolside, Haverigg.

Town & Country Planning.

During the year 142 applications for planning permission were received, of which 49 were for development within that part of the area which is situated in the Lake District National Park.

Workmen.

Total number of workmen and tradesmen employed by this Department is 30. During the year there was a labour turn-over of 23%.

470 days were lost through sickness and injury. Holidays and days absent totaled 597.

Appendix.

An appendix to this report gives a summary of samples taken in this area by the Weights & Measures Department of the Cumberland County Council. For this I am indebted to Mr. R. B. Spedding, Divisional Inspector of the Department, with whom I have a good working liaison.

Conclusion.

There has been no let up in the issue of new Regulations. For example this year the Building Regulations came into operation and further new Food Hygiene Regulations are effective from 1st January 1967. All are essential if progress and improvements are to be made but we are still working with one Inspector below establishment, and one feels that there is still much to be done in the field of environmental health.

Dr. Slater commenced duties with this Authority on 1st March 1966, and I am happy to have been associated with him during the ensuing months.

I cannot conclude this report without expressing my appreciation to my staff for their help and assistance during the year, and also to the several Chairmen and the members of the Council for their co-operation.

Yours faithfully,

Signed: J. H. DAWSON.

Surveyor & Chief Public Health Inspector.

APPENDIX.

FOOD & DRUGS ACT.

Cumberland County Council. - Weights & Measures Department.

Articles Sampled:-

Jelly.	Babys Teething Mixture.
Thyme Vinegar.	Liqueur Honey.
Beef & Pork Sausages.	Semolina.
Orange Crush.	Cola & Rum.
Self Raising Flour.	Lemon Cheese.
Anadin.	Lard.
Blackcurrant Drink.	Throat Lozenges.
Cough Syrup.	Butter Toffee.
Hamburgers.	Meat Loaf.
Top O' The Milk.	Beef Suet.
H.P.Sauce.	Wine Vinegar.
Blue Cheese.	Butter.

Total number of samples taken	69
Milk.	43
Other than Milk	26

A farmer was fined £20, plus £12. 3. 0d. costs for selling milk deficient in fat.

Signed: R.B. Spedding.
Divisional Inspector.

FACTORIES ACT, 1961

Part I of the Act

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors)

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	-	-	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	53	92	-	-
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out- workers' premises)	21	52	-	-
T O T A L	74	144	-	-

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars (1)	Number of cases in which defects were found				Number of Cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	- Referred -		
			To H.M. Inspector (4)	By H.M. Inspector (5)	
Want of cleanliness (S.1.)	2	2	-	-	-
Overcrowding (S.2.)	-	-	-	-	-
Unreasonable temperature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4.)	-	-	-	-	-
Ineffective drainage of floors (S.6.)	-	-	-	-	-
Sanitary Conveniences (S.7.)					
(a) Insufficient	4	4	-	-	-
(b) Unsuitable or defective	3	3	-	-	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to outwork)	-	-	-	-	-
T O T A L	9	9	-	-	-

PART VIII OF THE ACT

OUTWORK

(Sections 133 and 134)

Nature of Work (1)	SECTION 133			SECTION 134		
	No. of out-workers in August list required by Section 133(1) (C) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecutions for failure to supply lists (4)	No. of instances of work in unwhole-some premises (5)	Notices served (6)	Prosecutions (7)
Wearing apparel (Making, etc. Cleaning and Washing)	10	1	-	-	-	-

(All other lines - Nil)

PORT OF MILLOM
ANNUAL REPORT FOR 1966

SECTION 1 - STAFF

TABIE A

Name of Officer	Nature of appointment	Date of appointment	Qualifications	Any other appointments held
W. S. SLATER	Medical Officer of Health	1. 3. 66.	M.B., Ch.B., M.R.C.S., L.R.C.P., D.P.H.	Deputy Area Medical Officer

Address and Telephone No. of the Medical Officer. : Health Department,
: St. George's Road,
MILLOM,
Cumberland. Telephone: MILLOM 250.

SECTION II - Amount of Shipping Entering the District during the Year

TABIE B

Ships From	Number	Tonnage	Number Inspected		Number of ships reported as having or having had, during the voyage, infectious diseases on board
			By the Medical Officer of Health	By the Chief Public Health Inspector	
Foreign Ports	-	-	-	-	-
Coastwise	16	5,237	-	-	-

SECTION III - Character of Shipping and Trade during the Year

TABLE C

Passenger Traffic	Number of Passengers INWARDS:	NIL
	Number of Passengers OUTWARDS:	
Cargo Traffic	Principal IMPORTS:	NIL
	Principal EXPORTS:	Pig Iron, Ingot Moulds, Slate.
Principal Ports from which Ships arrive:	LIVERPOOL, DUBLIN, BELFAST.	

SECTION IV - Inland Barge Traffic

There is no inland barge traffic.

SECTION V - Water Supply

1. The source of supply for (a) the district and (b) shipping, is from the Millom Town's supply, which is chlorinated.
2. During the year 35 bacteriological examinations were made of water from the supply, all but three were satisfactory.
3. Hydrants and hosepipes are frequently flushed through.
4. There are no water boats.

SECTION VI - Public Health (Ships) Regulations, 1952

1. The Epidemiological Record of the World Health Organisation is received weekly and filed for reference. As the boats arriving at Millom Port are only Cargo and Coastal, no list of infected areas is prepared.
2. There is no radio station at the port.
3. Notifications of ships entering the port are received by post.
4. There are four mooring stations at the pier.

5. (a) Infectious diseases would be accommodated at the West Cumberland Hospital, Hensingham, Whitehaven.
- (b) Contacts would be followed up by the Medical Officer of Health.
- (c) Cleansing and disinfection of ships, persons, clothing and other articles would be carried out by the Public Health Department of this Authority.

SECTION VII - Smallpox

1. Smallpox cases would be sent to the Langley Park Hospital, Co. Durham. In the event of a major outbreak, Longtown Hospital, would be also called into action.
2. The Cumberland County Council is responsible for the ambulance which would come from the hospital involved. The ambulance crew have all been vaccinated and the matter is kept under review.
3. Smallpox consultant available:-

Dr. D.G. Davies, Pathology Laboratory, Cumberland Infirmary,
CARLISLE, Cumberland. Tel: CARLISLE 23444.

4. Facilities for laboratory diagnosis of smallpox are available at the Pathological Laboratory, Cumberland Infirmary, CARLISLE.

SECTION VIII - Venereal Disease

Venereal diseases would be treated at centres in Whitehaven or Barrow-In-Furness. Days and times of clinics are as follows :-

Devonshire Road I.D. Hospital,	Mondays	1830 hours (Male & Female)
Barrow-In-Furness.	Wednesdays	1030 hours (Male)
	Wednesdays	1400 hours (Female)

(Emergencies seen at any time provided that they have a doctor's note).

West Cumberland Hospital,
Hensingham, Whitehaven.

Monday afternoons.

Any case requiring in-patient treatment would be admitted to the West Cumberland Hospital.

SECTION IX - Cases of Notifiable and other Infectious Diseases on Ships

NIL

SECTION X - Observations on the Occurrence of Malaria in Ships

There were no cases of Malaria.

SECTION XI - Measures taken against Ships Infected with or Suspected for Plague

There were no ships infected with or suspected for Plague.

SECTION XII - Measures taken against Rodents in Ships from Foreign Ports

1. All ships from foreign ports are inspected by the Medical Officer of Health and/or the Chief Public Health Inspector.
2. Bacteriological and pathological examination of rodents would be carried out at the Cumberland Pathological Laboratory, CARLISLE.
3. Any ship requiring deratting would be dealt with by the Port Health Authority, Barrow-In-Furness, which is the nearest approved port.
4. As no food is imported and there are no warehouses at the dock, further rat-proofing is not considered necessary.

TABLE E

Rodents Destroyed during the Year on Ships from Foreign Ports

NIL

TABLE F

Deratting Certificates and Deratting Exemption Certificates Issued during the Year for Ships from Foreign Ports

NIL

SECTION XIII - Inspection of Ships for Nuisances

TABIE G

Inspections and Notices

NIL

SECTION XIV - Public Health (Shell-Fish) Regulations 1934 and 1948

There are shell-fish beds within the jurisdiction of the Public Health Authority and these are liable to pollution. The Duddon Estuary (shell-fish) Regulations, 1926, are still in force.

SECTION XV - Medical Inspection of Aliens

This port is not approved for the landing of aliens.

SECTION XVI - Miscellaneous

The Local Authority would see to the proper internment of any dead.
